

## ABSTRACT

A channel variation estimating section 101 estimates a channel variable quantity between a transmitting apparatus 100 and a receiving apparatus 200. A symbol rate determining section 102 determines a symbol rate based on the channel variable quantity, and when the channel variation is considerably fast due to high-speed fading, transmission is carried out after increasing the symbol rate to make the channel variation between symbols or in a burst relatively minute. This makes it possible for the adaptive equalizer to hold sufficient following performance and to maintain communication quality satisfactory without increasing the number of apparatus components even in the case where the channel variation is considerably fast.

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